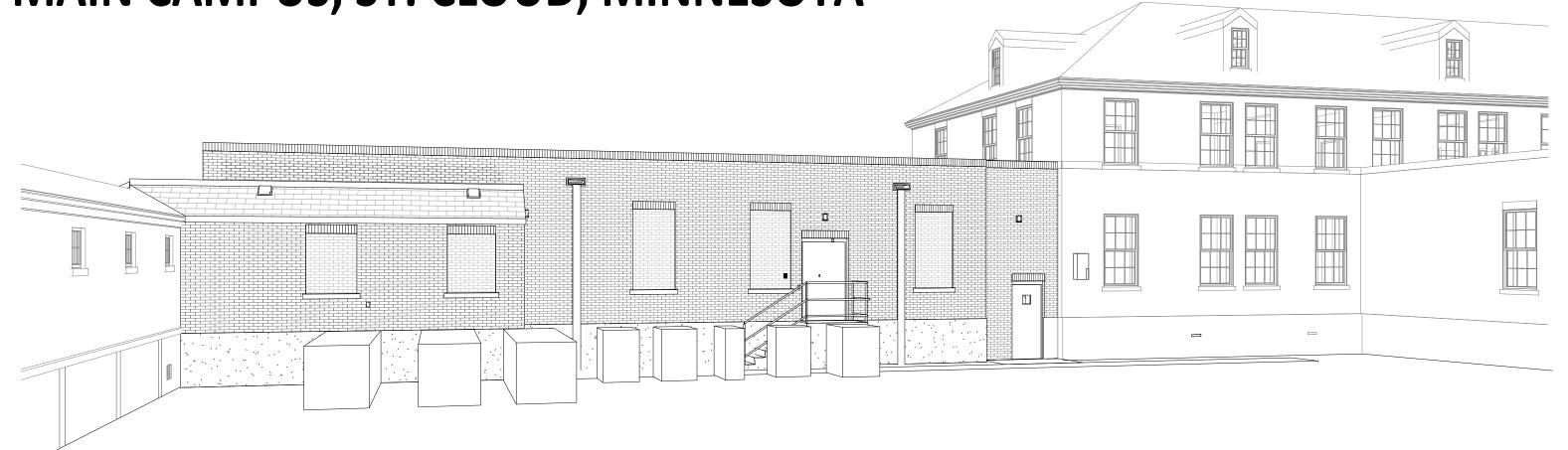


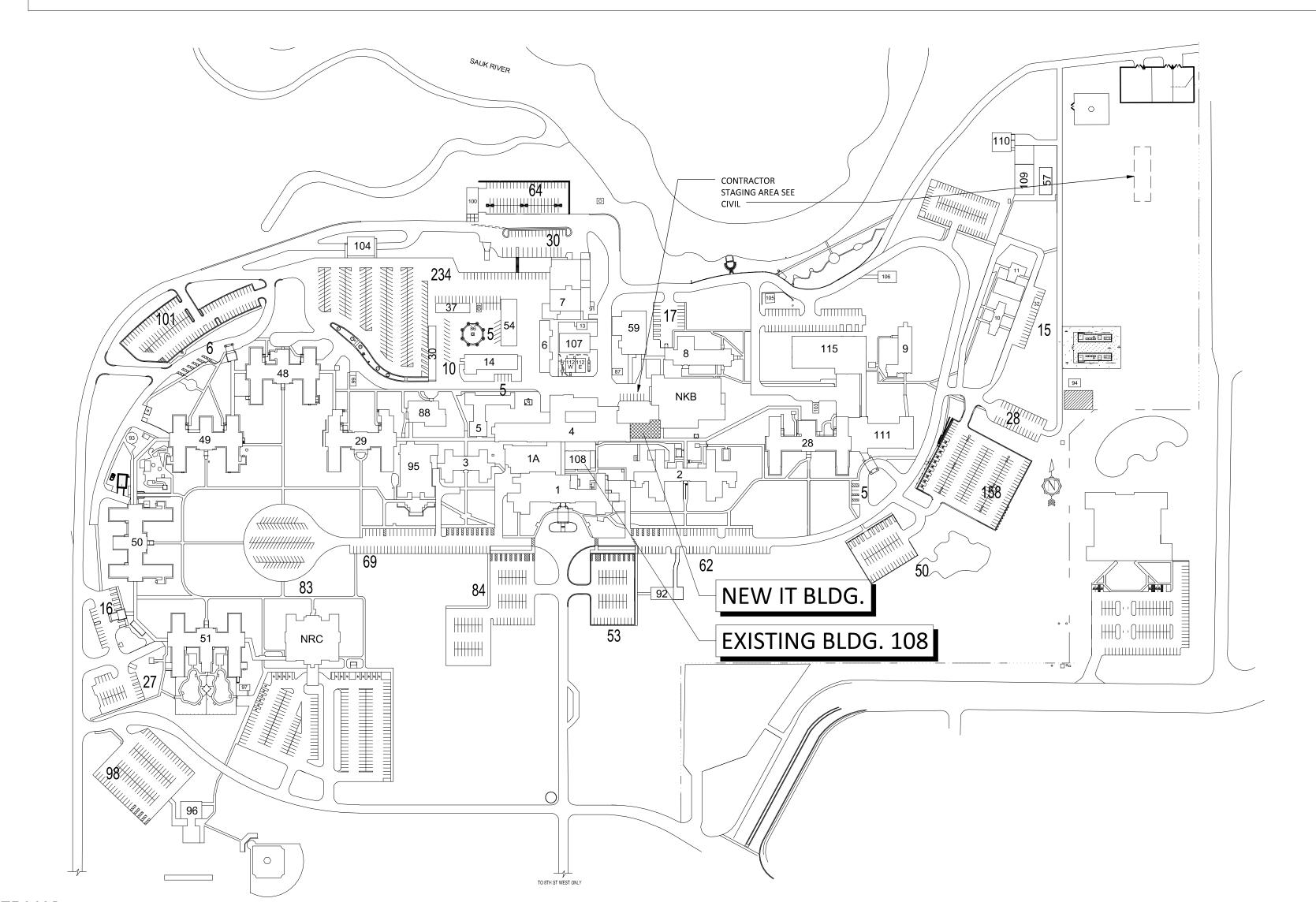
ST. CLOUD VA HEALTH CARE SYSTEM MAIN CAMPUS, ST. CLOUD, MINNESOTA

16



## **PROJECT TEAM**

OWNER	ARCHITECT	STRUCTURAL ENGINEER	MECHANICAL ENGINEER	ELECTRICAL ENGINEER	CIVIL ENGINEER	FIRE PROTECTION
VA Healthcare System	JLG Architects	JLG Architects	Design Tree Engineering	Design Tree Engineering	Design Tree Engineering	Summit Fire Protection
4801 Veterans Drive	525 Broadway	525 Broadway	3339 W. St. Germain St., Suite 250	3339 W. St. Germain St., Suite 250	3339 W. St. Germain St., Suite 250	575 Minnehaha Ave W
St. Cloud, MN 56303-2099	Alexandria, MN 56308	Alexandria, MN 56308	St. Cloud, MN 56301	St. Cloud, MN 56301	St. Cloud, MN 56301	St. Paul, MN 55103-1573
Phone: 320.255.6346 Fax: 320.255.6342	Phone: 320.759.9030 Fax: 320.759.9062	Phone: 320.759.9030 Fax: 320.759.9062	Phone: 320.227.5557	Phone: 320.227.5557	Phone: 320.227.5557	Phone: 651.251.1880
Gary Johnson	Dan Miller, Principal	Bryan Asche, PE	Joshua D. Meehl, PE	Aaron Mueller, PE	Daniel J. Folsom, PE	Chris Leaver, PE
Email: gary.johnson@va.gov	Phone: 320.762.0324	Phone: 320.762.0558	Phone: 320.227.0215	Phone: 320.227.0213	Phone: 320.227.5557	Phone: 651.251.1872
	Email: dmiller@jlgarchitects.com	Email: basche@jlgarchitects.com	Email: jdm@designtreeengineering.com	Email: arm@designtreeengineering.com	Email: djf@designtreeengineering.com	Email: CLeaver@SummitCoUS.com
Farel Steinberg, COR Email: farel.steinberg@va.gov						



### **GENERAL NOTES**

scaled. It is the responsibility of the contractor to verify all field conditions and physical dimensions that influence the construction

It is recommended that contractors visit the proposed construction site prior to submitting their bids and they are encouraged to do so. Contractor shall adhere strictly to State and Federal Occupational Safety and Health Administration (OSHA) Standards.

Contractor shall park only in the designated parking areas and are not to park on the lawn areas; the only exception is to load or unload

Contractor is responsible for the safeguarding of their tools and

equipment. All tools and equipment are not to be left unattended and are to be secured at all times when the contractor is not present, or the construction site is not supervised by the contractor. All VA property is to be safeguarded from damage. Any damaged VA property is to be restored to original condition prior to damage or

replaced completely. This includes installation, labor, and

All demolished material becomes the property and the responsibility of the contractor with the exception of specified items designated either in the plans or verbally requested by the COR to be retained by the

VA. Offsite disposal of the demolished items is the responsibility of the

Contractor must control demolition and construction dust from facility by erecting a dust barrier and ventilation with hepa filters. If venting to outside, the contractor will insure negative air pressure is maintained in encapsulated work area. When transporting debris, wet down sufficiently to prevent dust spreading.

If scaffolding is used, it must be used in accordance with (OSHA) regulations and is to be enclosed for the first eight feet above ground at end of each working day, until dismantled. Ladders must be removed and locked up at the end of each working day to prevent unauthorized persons from having access.

Clean all debris from construction site to the satisfaction of the COR. Contractor is responsible for erecting a barrier around work site to prevent patients, staff and visitors from entering construction site. This fence may be a plastic snow fence at open trench areas. All other areas require a metal chain-link fence be erected. Fencing to be 8'-0" high with top and bottom rail.

Provide vehicle/equipment swinging gate (lockable). Provide swinging mandoor gate with emergency egress

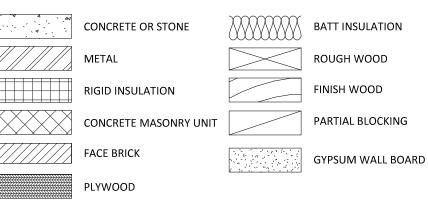
Contractor is responsible for repairing and replacing any damaged lawn. The restoration will be performed by a landscape contractor that regularly does sodding as part of their business. All damaged lawn will be overcut by 6" or more to accommodate full width rolls of sod. Top soil to be tilled and graded to a smooth matching grade of undamaged lawn. Sod to be thoroughly saturated with water upon placement. The contractor is responsible for watering new sod until established lawn restoration acceptance by the COR.

Access to all buildings and parking areas must be maintained Contractors are to coordinate all work with the Contracting Officers

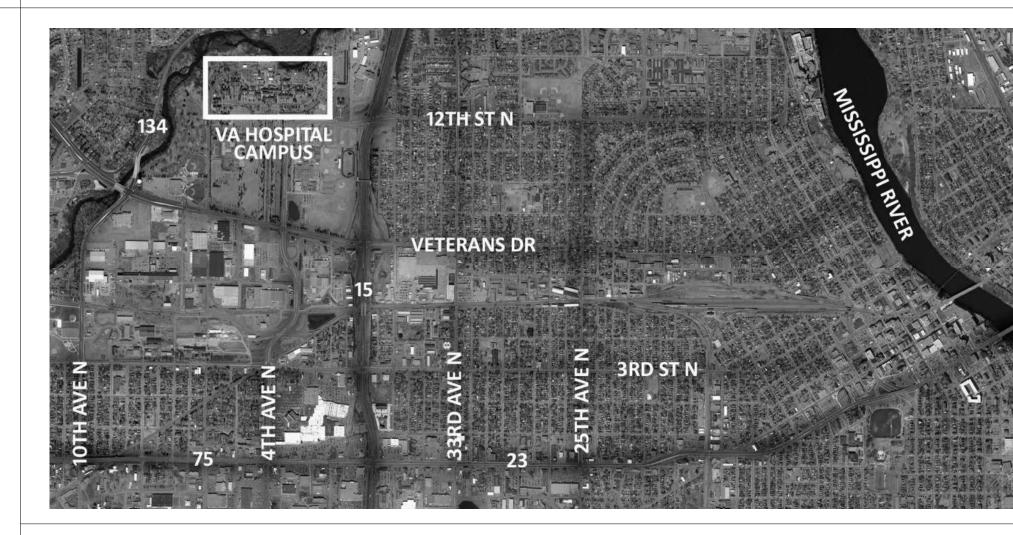
## **MATERIALS**

#### MATERIALS LEGEND

Representative. (C.O.R.)

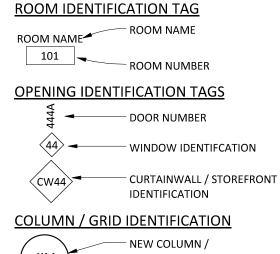


### SITE LOCATOR



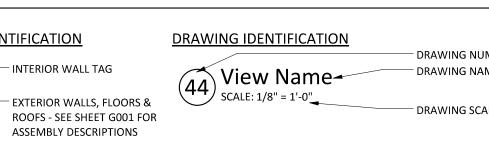
## SYMBOLS LEGEND

#### **SYMBOLS LEGEND**



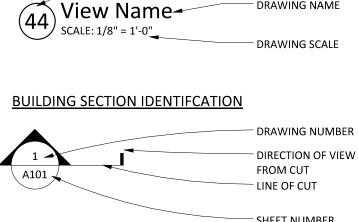
STRUCTURAL GRID EXISTING COLUMN < #X 🖯 STRUCTURAL GRID

— ELEVATION DATUM PROJECT NORTH TRUE NORTH



**ROOM FINISH PLAN TAG** NORTH WALL FINISH — WEST WALL FINISH EAST WALL FINISH SOUTH WALL FINISH BASE WALL BASE FINISH
FLOOR FINISH

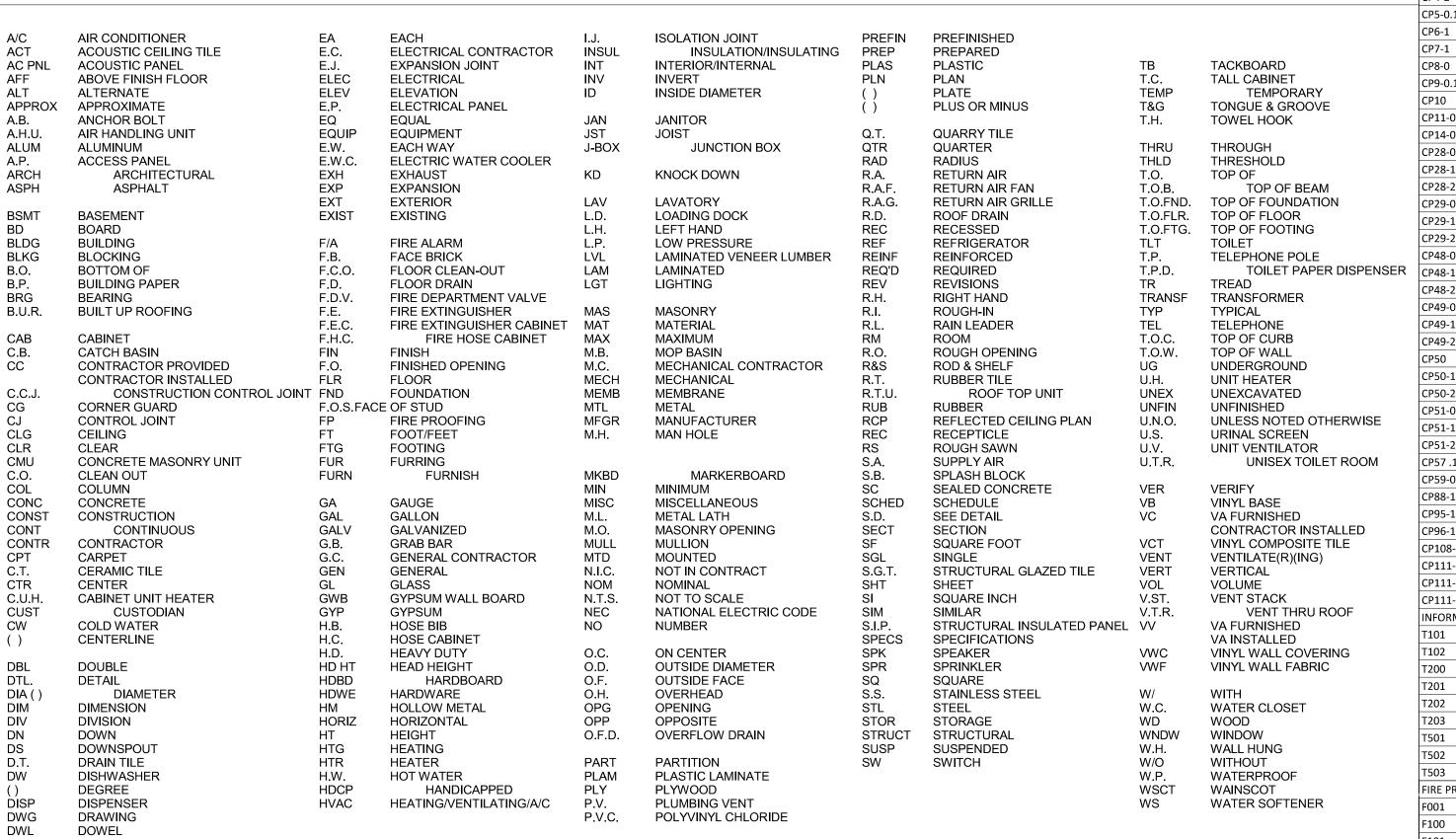
ASSEMBLY IDENTIFICATION



SHEET NUMBER WALL SECTION IDENTIFCATION DRAWING NUMBER

SHEET NUMBER **DETAIL SECTION IDENTIFCATION** DRAWING NUMBER LINE OF CUT - SHEET NUMBER

## **ABBREVIATIONS**



## **CONSTRUCTION DOCUMENTS 100%**

#### FOR CONSTRUCTION

**SHEET INDEX** 

TYPICAL ASSEMBLIES & PROJECT MATERIAL ID LIST

**EROSION CONTROL DETAILS** 

SITE UTILITY PLAN - BUILDING 108

SPECIAL INSPECTIONS PROGRAM

SPECIAL INSPECTIONS PROGRAMS

SPECIAL INSPECTIONS PROGRAMS

BUILDING SECTIONS & DETAILS

PRECAST CONCRETE DETAILS

PRECAST CONCRETE DETAILS

WALL SECTIONS

CONCRETE DETAILS CIP CONCRETE DETAILS

FIRST FLOOR PLAN

DOOR SCHEDULE

PLUMBING PLANS

HVAC BASEMENT PLAN

FLOW SCHEMATICS

MECHANICAL DETAILS

MECHANICAL SCHEDULES

ELECTRICAL SITE PLAN

BASEMENT LIGHTING PLAN

FIRST FLOOR LIGHTING PLAN

BASEMENT POWER PLAN

FIRST FLOOR POWER PLAN

ELECTRICAL DETAILS

ELECTRICAL DETAILS

ELECTRICAL DETAILS ELECTRICAL RISER DIAGRAMS

ELECTRICAL SCHEDULES

ELECTRICAL SCHEDULES

OVERALL CAMPUS CABLING SITE PLAN

BUILDING 2 CABLING PLAN - BASEMENT

BUILDING 2 CABLING PLAN- FIRST FLOOR

BUILDING 3 CABLING PLAN - BASEMENT BUILDING 3 CABLING PLAN - FIRST FLOOR BUILDING 3 CABLING PLAN SECOND FLOOF

BUILDING 4 CABLING PLAN- BASEMENT BUILDING 4 CABLING PLAN - FIRST FLOOR

BUILDING 6 CABLING PLANS FIRST FLOOR

BUILDINGS 7 CABLING PLAN FIRST FLOOR

BUILDING 10 CABLING PLAN - BASEMENT

BUILDING 11 CABLING PLAN - BASEMENT

BUILDING 28 CABLING PLAN - BASEMENT

BUILDING 28 CABLING PLAN - FIRST FLOOP

BUILDING 29 CABLING PLAN - BASEMENT

BUILDING 29 CABLING PLAN - FIRST FLOOR

BUILDING 48 CABLING PLAN - BASEMENT

BUILDING 48 CABLING PLAN - FIRST FLOOP

BUILDING 49 CABLING PLAN - BASEMENT

BUILDING 49 CABLING PLAN - FIRST FLOOR

BUILDING 50 CABLING PLAN - BASEMENT

BULIDING 50 CABLING PLAN - FIRST LFOOR

BUIDLING 51 CABLING PLAN - BASEMENT

BUILDING 59 CABLING PLAN BASEMENT

BUILDING 88 CABLING PLANS FIRST FLOOR

BUILDING 95 CABLING PLAN FIRST FLOOR

BUILDING 108 CABLING PLANS FIRST FLOOF

BUILDING 111 - CABLING PLANS- BASEMENT

TECHNOLOGY - LEVEL ONE

TECHNOLOGY - SITE PLAN

TECHNOLOGY DETAILS

TECHNOLOGY DETAILS TECHNOLOGY DETAILS

TECHNOLOGY - DEMOLITION

TECHNOLOGY - FLOOR PLAN - SECURITY

TECHNOLOGY - STEAM TUNNELS -EAST

SITE PLAN, NOTES AND RISER DETAILS

SPOT-TYPE SMOKE DETECTION PLAN

BUILDING 111 - CABLING PLANS - FIRST FLOOR

BUILDING 111 - CABLING PLANS - SECOND FLOOR

BUILDING 49 CABLING PLAN - SECOND FLOOR

BUILDING 50 CABLING PLAN - SECOND FLOOR

BUILDING 51 CABLING PLAN - SECOND FLOOR

BUILDINGS 57 & 109 CABLING PLANS FIRST FLOOR

BUILDING 29 CABLING PLAN - SECOND FLOOR

BUILDING 48 CABLING PLAN - SECOND FLOOR

BUILDING 28 CABLING PLAN - SECOND FLOOR

BUILDING 8 CABLING PLAN - BASEMENT

BUILDING 2 CABLING PLAN - SECOND FLOOF

BUILDING 1/1A CABLING PLAN - BASEMEN

BUILDING 1/1A CABLING PLAN - FIRST FLOOR

BUILDING 1/1A CABLING PLAN - SECOND FLOOR

BUILDING 1 CABLING PLAN - THIRD FLOOR PENTHOUSE

BUILDING 4 CABLING PLAN - SECOND FLOOR & ATTIC PLAN

BUILDING 19 CABLING PLAN - BASEMENT, FIRST & SECOND FLOOR

BUILDING 5 CABLING PLANS BASEMENT & FIRST FLOOR

BUILDING 14 CABLING PLAN - BASEMENT & FIRST FLOOR

CABLING PLANS

ENLARGED ELECTRICAL PLANS

EXTERIOR ELEVATIONS BUILDING/WALL SECTIONS

EXTERIOR ASSEMBLY DETAIL

REFLECTED CEILING PLANS

MECHANICAL SYMBOLS AND LEGEND

HVAC MAIN FLOOR PLAN AND DETAIL

STRUCTURAL KEYNOTES & SCHEDULES

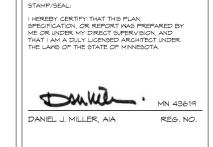
EXISTING CONDITIONS AND REMOVALS

CONTRACTOR STAGING PLAN - BUILDING 108

EXISTING CONDITIONS AND REMOVALS - BUILDING 108



**DRAWING** 



	APPROVED: SERVICE LINE DIRECTOR	DATE	APPROVED: INFECTION CONTROL NURSE	DAT
	APPROVED: GEMS COORDINATOR	DATE	APPROVED: PATIENT SAFETY	DAT
	APPROVED: PROJECTS SECTION MANAGER	DATE	APPROVED: CHIEF OF POLICE	DAT
<u>19</u> 0.	APPROVED: DIRECTOR FMS	DATE	APPROVED: SAFETY MANAGER	DAT

POLYVINYL CHLORIDE

DATE	DRAWING TITLE		PROJECT TITLE	- NI
	TITLE SHEET		CONSTRUC	
			FOR HEALTI	1 CARE
DATE		2175	TECHNOLO	GY MANA
	ASSOCIATE HEALTH CARE SYSTEM DIRECTOR	DATE:	EXPANSION	
DATE				
	CHIEF OF STAFF	DATE:	BUILDING No	CHECKED BY
			NEW IT	JR
DATE	LIENTIN CARE OVOTEN DIRECTOR	DATE	LOCATION	
	HEALTH CARE SYSTEM DIRECTOR	DATE:	ST. CLOUD V	– –
			2	

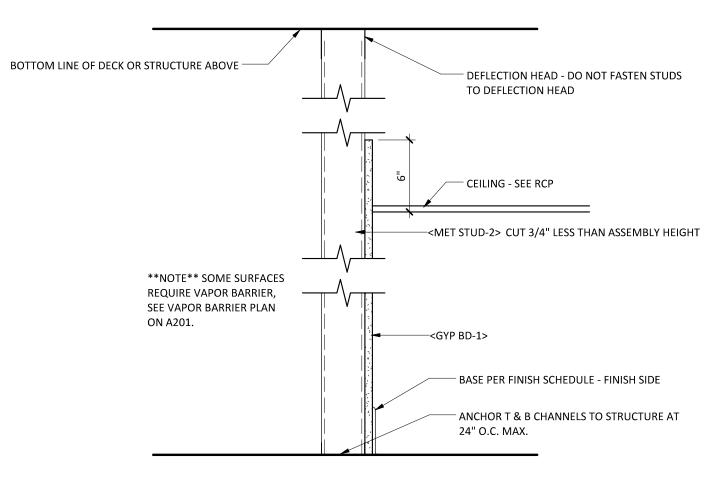
CONSTRUCT NEW IT CENTER | 04.01.15 OR HEALTH CARE **ECHNOLOGY MANAGEMENT** XPANSION

|| JR || DM

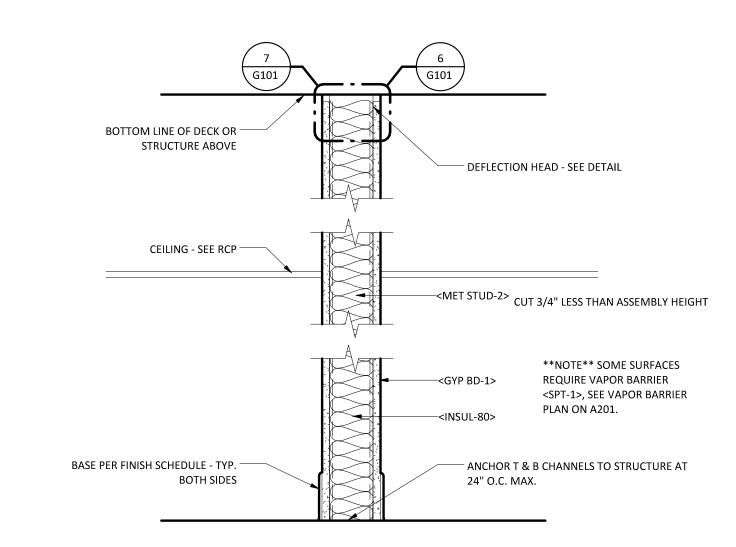
FIRE PROTECTION

INFORMATION TECHNOLOGY

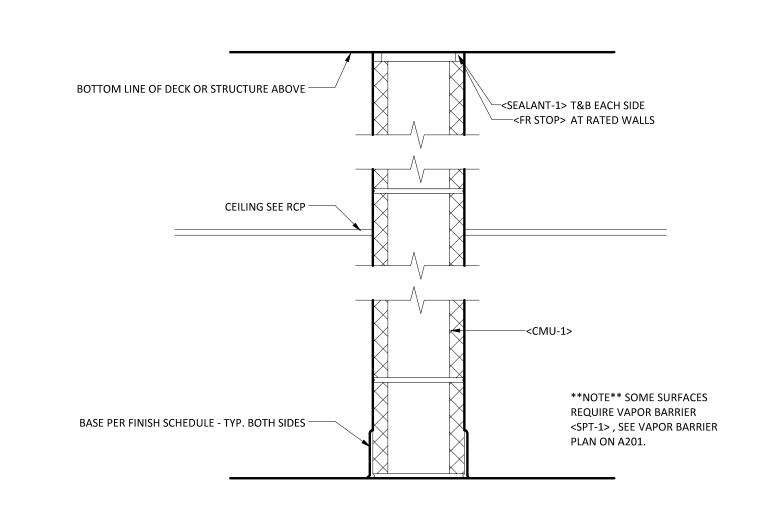




PARTITION TYPE F							
WALL TAG	STUD SIZE & SPACING	WIDTH	G.B. THK	INSUL THICK.	RATING	UL NO.	COMMENTS
F3	2 1/2" M.S. @ 16" O.C.	3 1/8"	5/8"	N/A	OHR		
F4	3 5/8" M.S. @ 16" O.C.	4 1/4"	5/8"	N/A	OHR		
F6	6" M.S. @ 16" O.C.	6 5/8"	5/8"	N/A	OHR		

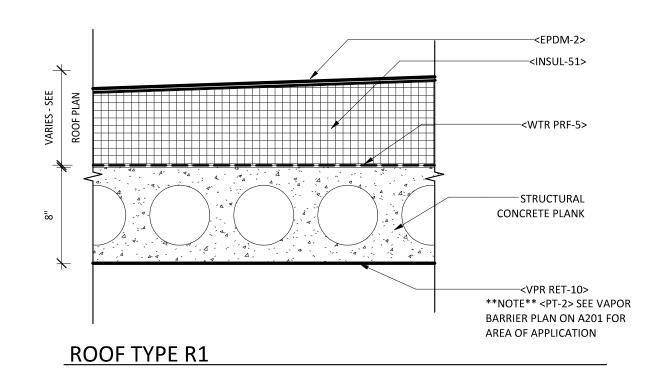


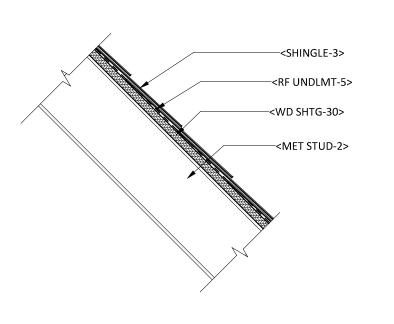
PARTITION TYPE A								
WALL	STUD SIZE &		G.B. THK	INSUL				
TAG	SPACING	WIDTH	(EA. SIDE)	THICK.	RATING	UL NO.	COMMENTS	
A4	3 5/8" M.S. @ 16" O.C.	4 7/8"	5/8"	FILL CAVITY	OHR			
A4.1	3 5/8" M.S. @ 16" O.C.	4 7/8"	5/8"	FILL CAVITY	1HR	U425		
A6	6" M.S. @ 16" O.C.	7 1/4"	5/8"	FILL CAVITY	OHR			
A6.1	6" M.S. @ 16" O.C.	7 1/4"	5/8"	FILL CAVITY	1HR	U425		
A8	8" M.S. @ 16" O.C.	9 1/4"	5/8"	FILL CAVITY	OHR			



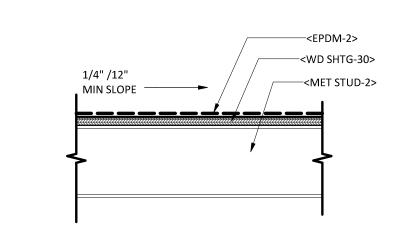
	PARTITION TYPE M									
WALL TAG	CMU SIZE	WIDTH	RATING	UL NO.	COMMENTS					
M6	6" CMU	5 5/8"	OHR							
M8	8" CMU	7 5/8"	OHR							
M8.1	8" CMU	7 5/8"	1HR	U907						
M12	12" CMU	11 5/8"	OHR							
M16	16" CMU	1' - 3 5/8"	OHR		OPTION: 16" OR TWO 8" UNITS.					

1 2 5 6

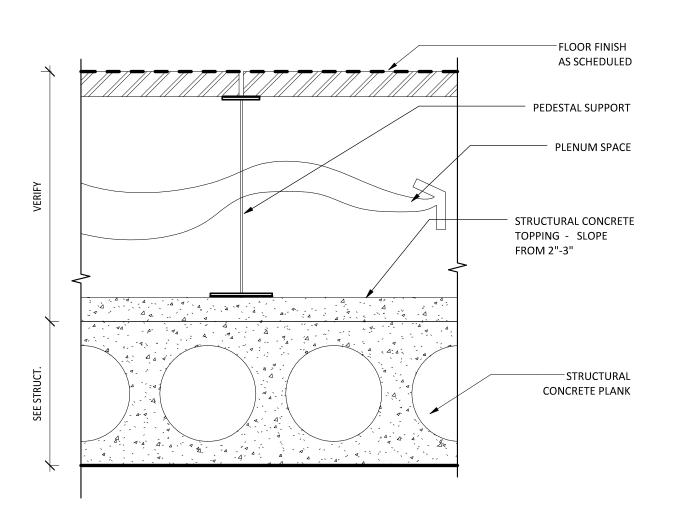




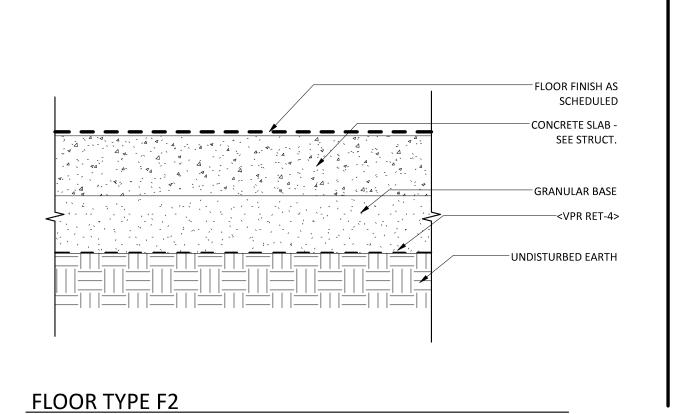
ROOF TYPE R2

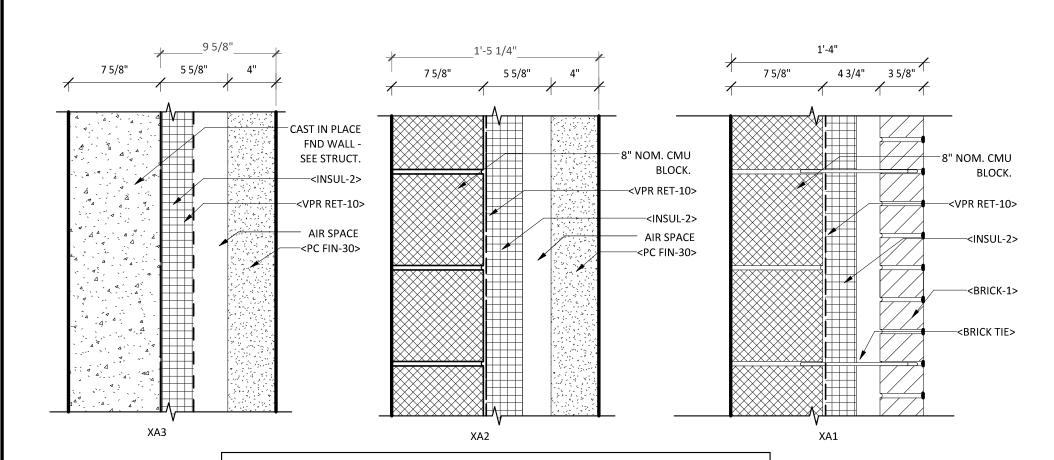


ROOF TYPE R3



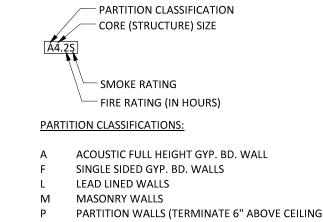
FLOOR TYPE F1



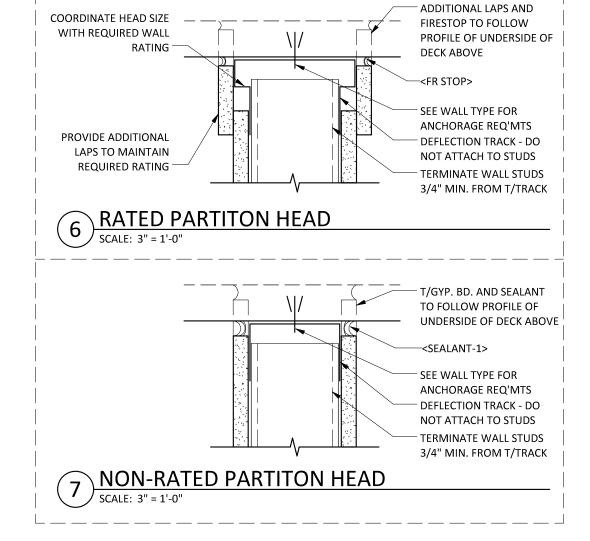


	EXTERIOR WALL TYPES							
WALL		INSUL						
TAG	WIDTH	THICK.	RATING	UL NO.	COMMENTS			
XA1	1' - 4"	2"	OHR		FACE BRICK			
XA2	1' - 5 1/4"	2"			PRE-CAST CONC. OVER CMU			
XA3	9 5/8"	2"			PRE-CAST CONC. OVER CONC BRG WALL			

#### INTERIOR PARTITION LEGEND



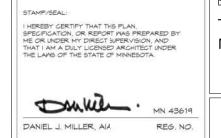
A F	ACOUSTIC FULL HEIGHT GYP. BD. WALL SINGLE SIDED GYP. BD. WALLS
L	LEAD LINED WALLS
M	MASONRY WALLS
Р	PARTITION WALLS (TERMINATE 6" ABOVE CEILING)
S	SHAFTWALLS

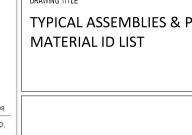


	PROJECT MATERIAL ID LIST
MATERIAL ID	SPEC. SECTION & DESCRIPTION
BRICK TIE	04 2000 - BRICK TIE
BRICK TIE-4	04 2000 - DOVE TAIL TIE
BRICK-1	04 2000 - FACE BRICK
CAST STN-1	04 7200 - CAST STONE TRIM
CMU-1	04 2000 - NORMAL WEIGHT CMU
EPDM-2	07 5300 - FULLY ADHERED EPDM ROOFING SYSTEM
FR STOP	07 8400 - THROUGH PENETRATION FIRESTOPPING
GYP BD-1	09 2116 - 5/8" FIRE-RATED TYPE 'X' GYPSUM BOARD
GYP BD-6	09 2116 - 5/8" FIRE-RATED TYPE 'X' MOLD-RESISTANT GYPSUM BOARD
INSUL-1	07 2100 - PERIMETER BELOW GRADE EXTRUDED POLYSTYRENE INSULATION
INSUL-2	07 2100 - EXTRUDED POLYSTYRENE WALL INSULATION
INSUL-15	07 2100 - POLYISOCYANURATE INSULATION, FOIL FACED
INSUL-22	07 2100 - UNCFACED ROCK WOOL BATT INSULATION
INSUL-51	07 5300 - TAPERED POLYISO OVER FLAT POLYISO ROOF INSULATION
INSUL-80	09 2116 - ACOUSTICAL BATT INSULATION
MAS ACC-1	04 2000 - CONTROL JOINT
MAS ACC-2	04 2000 - POLYMER MESH HEAD JOINT WEEP
MAS ACC-5	04 2000 - CAVITY MORTAR CONTROL MESH
MET STUD-2	09 2116 - NON-LOAD BEARING STEEL STUDS, 20 GA.
PC FIN-30	03 4500 - SANDBLAST FINISH
PT-2	09 9000 - PAINT-Class II Vapor Barrier, Multi-Surface Application
RF UNDLMT-5	07 2500 - SELF-ADHEREING ICE/WATER SHIELD
RF VENT-2	07 3113 - SOFFIT/EAVE STRIP VENT
RF VENT-5	07 3113 - LOW PROFILE ROOF VENT
SEALANT-1	07 9005 - JOINT SEALANT OR CAULKING
SEALANT-2	07 9005 - JOINT SEALANT OR CAULKING WITH BACKER ROD
SHINGLE-3	07 3113 - FIBERGLASS SHINGLES
SMF-2	07 6200 - PREFINISHED ALUMINUM FLASHING
SMF-3	07 6200 - GALVANIZED STEEL FLASHING
SMF-4	07 6200 - COPPER FLASHING
TWF-1	04 2000 - 40 MIL SELF-ADHERING MEMBRANE W/ STAINLESS STEEL DRIP
VPR RET-4	03 3000 - 15 MIL UNDERSLAB VAPOR RETARDER
VPR RET-10	07 2500 - VAPOR RETARDER; SELF-ADHERED OR LIQUID APPLIED
WD BLKG	06 1000 - EXPOSED OR CONCEALED WOOD BLOCKING
WD BLKG-1	
WD SHTG-22	06 1000 - 7/16" PLYWOOD WALL SHEATHING
WD SHTG-30	06 1000 - 1/2" PLYWOOD; GRADE C-C
WPS-1	

# **CONSTRUCTION DOCUMENTS 100%**







TAL ASSEMBLIES & PROJECT ERIAL ID LIST	PROJECT TITLE CONSTRUCT NEW FOR HEALTH CARE TECHNOLOGY MA EXPANSION	DATE 04.01.15  PLOT SCALE AS NOTED  PROJECT NO. 656-14-246	
	BUILDING No  NEW IT  DJM		CAD FILE
	ST. CLOUD VA HCS ST. CLOUD, MN 5630	3	G101



1 2 3 4	5		6		7	8	9
			OCCUI	PANCY CLASSIFICATION		LOOR AREA PER OCC. OCCU	JPANT
	NUMBER  ELECTRICAL  MECHANICAL	NAME Area Area		(IBC CHAPTER 3)  B  B			2 FIRST FLOOR 2 FIRST FLOOR
	DATA ROOM STORAGE WORK ROOM	Area Area Area	1,221 SF 91 SF 103 SF	B B B	BUSINESS AREA  ACCESSORY STORAGE, MECH EQUIPMENT ROOM  BUSINESS AREA		FIRST FLOOR FIRST FLOOR FIRST FLOOR FIRST FLOOR
	VESTIBULE FIRST FLOOR: 7	Area Area		CIRCULATION	UNOCCUPIED SPACE UNOCCUPIED SPACE		FIRST FLOOR FIRST FLOOR  19
	MECHANICAL ROOM DEMARK UTILITY	UTILITY ACCESSORY STORAGE UTILITY	121 SF 335 SF 1,986 SF	B B B	ACCESSORY STORAGE, MECH EQUIPMENT ROOM ACCESSORY STORAGE, MECH EQUIPMENT ROOM UNOCCUPIED SPACE	300 GROSS 300 GROSS	BASEMENT LEVEL BASEMENT LEVEL BASEMENT LEVEL
	BASEMENT LEVEL: 3	CODE PLAN GENER  MAXIMUM TRAVEL DISTANCE = 200'  MAXIMUM COMMON PATH OF TRAVE  ALLOWED DEADEND CORRIDOR = 30'  CORRIDOR WALLS TO TERMINATE AT I  BUILT AS 1-HOUR RATED CONSTRUCTI INSTALLED ON DOORS AT THIS TIME).  LIFE SAFETY PLAN I  WIDTH FACTOR CAPACITY LOAD  CODE SUMMENT BARBIER FREE DESIGN ENERGY POLICY ACT OF 2005 (EPAct) 2009 NIPA 101 LIFE SAFETY CODE 2009 INTERNATIONAL BUILDING CODE (IBC) UNIFORM FEDERAL ACCESSION (EPACT) LOAD  CODE SUMMENT BARBIER FREE DESIGN ENERGY POLICY ACT OF 2005 (EPACT) 2009 NATIONAL STANDARD RUIMBING CODE 2009 INTERNATIONAL HIRE CODES WITH THE EXCEPTION 2011 NATIONAL ELECTRICAL CODE (NEC) 2009 INTERNATIONAL AFFECT AND HEALTH ADMINISTRATIO COTTUNE OF CONSTRUCTION: 119 LEG (INCL) 119 LEG (INFA) 120 LEG (INFA) 13 LEG (INFA) 14 LEG (INFA) 15 LEG (INFA) 16 LEG (INFA) 17 LEG (INFA) 18 LEG (INFA) 19 LEG (IN	AL NOTES  L DISTANCE = 100'  UNDERSIDE OF FLOOR STRUCTU ON (20-MINUTE DOORS, NO CLO  LEGEND  1 HOUR FIRE RATED WALL  TRAVEL DISTANCE  NUMBER 'H OR CITY NUMBER  INCLUDING	JRE AND BE OSERS	2 BASEMENT LEVEL  SCALE: 1/8" = 1'-0"  1118 45 0.2 225 1 101A 30.2 165 14	UTILITY UTILITY 1986.145F  Life S  Life S  Area of the second of the sec	Business Action  Missiness Act
		EXITS REQUIRED:  1  EXITS PROVIDED:  2  SMOKE DETECTION: PER 2009 NFPA 101 LIFE SAFETY CODE  FIRE PROTECTION: SPOT TYPE SMOKE DETECTION EARLY WARNING SMOKE DETECTION CLEAN AGENT SYSTEM FULLY SPRINKLED					
				(1)	FIRST FLOOR LIFE SAFETY PLAN  SCALE: 1/8" = 1'-0"		

## **CONSTRUCTION DOCUMENTS 100%**



1 2 5

one eighth inch = one foot

0 4 8 16

5 Y T	HEREBY CERTIFY THAT THIS PLAN, PECIFICATION, OR REPORT WAS PI IE OR UNDER MY DIRECT SUPERVIS HAT I AM A DULY LICENSED ARCHIT HE LAWS OF THE STATE OF MINNES	ION, AND ECT UNDER
	David-	MN 43619
_	PANIEL J. MILLER, AIA	REG. NO.

	LIFE SAFETY PLAN	PROJECT TITLE CONSTRUCT NEW IT CENTER FOR HEALTH CARE TECHNOLOGY MANAGEMENT EXPANSION			DATE 04.01.15  PLOT SCALE AS NOTED  PROJECT NO. 656-14-246
		BUILDING No NEW IT	CHECKED BY  DJM	DEH	CAD FILE  DRAWING NO.
		ST. CLOUD VA HCS ST. CLOUD, MN 56303			G110

